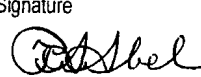


RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county <b>Cat Canyon</b>		District: 3 - SANTA MARIA	
Former owner <b>Chevron U.S.A. Inc.</b>		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Sec. 4, T. 8N, R. 32W S.B. B&amp;M</u> "W.P. Hammon Fee B (NCT-2)" 13 (083-00451) <u>Sec. 5, T. 8N, R. 32W S.B. B&amp;M</u> "W.P. Hammon Fee B (NCT-2)" (See attached list) <u>Sec. 6, T. 8N, R. 32W S.B. B&amp;M</u> "Los Alamos" (See attached list) <u>Sec. 7, T. 8N, R. 32W S.B. B&amp;M</u> "Los Alamos" (See attached list) <u>Sec. 18, T. 8N, R. 32W S.B. B&amp;M</u> (Field Santa Barbara Co.) "Los Alamos" 200 (083-20412) <u>Sec. 18, T. 9N, R. 32W S.B. B&amp;M</u> "Williams Holding Co." C.H. 1 &amp; C.H.3 <u>Sec. 30, T. 9N, R. 32W S.B. B&amp;M</u> "Fugler" (See attached list) <u>Sec. 31, T. 9N, R. 32W S.B. B&amp;M</u> "Drumm", "D-WF", Gwinn Fee", "Los Alamos", "Williams Holding", "Williams Recruit" (See attached list)</p> </div> <div style="width: 48%;"> <p><u>Sec. 32, T. 9N, R. 32W S.B. B&amp;M</u> "W.P. Hammon Fee B (NCT-1)" 1 &amp; 3 <u>Sec. 1, T. 8N, R. 33W S.B. B&amp;M</u> "Los Alamos" (See attached list) <u>Sec. 12, T. 9N, R. 33W S.B. B&amp;M</u> "G.W.P." (See attached list) <u>Sec. 13, T. 9N, R. 33W S.B. B&amp;M</u> "G.W.P." (See attached list) "Standard" 1 (083-01397) <u>Sec. 23, T. 9N, 33W S.B. B&amp;M</u> "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123) <u>Sec. 24, T. 9N, 33W S.B. B&amp;M</u> "G.W.P." (See attached list), "GWP-RF", "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843) <u>Sec. 25, T. 9N, 33W S.B. B&amp;M</u> "G.W.P." 367-24 (083-22114)</p> </div> </div>			
SEE PAGE 2			
Description of the land upon which the well(s) is (are) located <b>Cat Canyon Field, Santa Barbara County, CA</b>			
Date of transfer, sale, assignment, conveyance, or exchange <b>4-29-2010</b>	New Owner <b>ERG Operating Company, LLC.</b>		Operator code <b>E0255</b>
	Address <b>600 Travis, Suite 7050 Houston, TX 77002</b>		Type of Organization <b>Corporation</b>
Telephone No. <b>(713) 812-1800</b>			
Reported by <b>ERG Operating Company, LLC</b>			
Confirmed by <b>Chevron U.S.A. Inc.</b>			
New operator new status <b>PA</b>	Request Designation of Agent		
Old operator new status <b>PA</b>	Remarks <b>Acquiring company has a blanket bond.</b>		
Deputy Supervisor <b>Patricia A. Abel</b>		Signature 	


**OPERATOR STATUS ABBREVIATIONS**

	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
PA - Producing Active						
NPA - No Potential Active						
PI - Potential Inactive	Form OGD121	CB	7/21/10	Map and Book	PA	
NPI - No Potential Inactive	Well records	CB	7/21/10	Lease Files	CB	7/21/10
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	7/21/10
cc: ERG Operating Co. LLC	Annual Report	CB	7/21/10			
Chevron U.S.A. Inc.						

Santa Barbara County  
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county      Cat Canyon		District: 3 - SANTA MARIA	
Former owner      Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<p>Sec. 1, T. 8N, R. 33W S.B. B&amp;M "Climax" 1 (083-00380) Sec. 25, T. 9N, R. 33W S.B. B&amp;M "GWP-RF" (See attached list) "Recruit Fee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding", "Williams Holding Co." 1 (083-00729), "Williams Recruit" 2 &amp; 3 (See attached list) Sec. 36, T. 9N, R. 33W S.B. B&amp;M "D-WF" 382 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-21126), "WH-LA" 308 (083-21003) "Williams Fee", "Williams Holding" 368-25 (083-22122)</p> <p>SEE ATTACHED LIST FOR LISTING OF ALL WELLS INCLUDED IN TRANSFER.</p>			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.		Operator code E0255
	Address 600 Travis, Suite 7050 Houston, TX 77002		Type of Organization Corporation
Reported by ERG Operating Company, LLC.		Telephone No. (713) 812-1800	
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

## OPERATOR STATUS ABBREVIATIONS

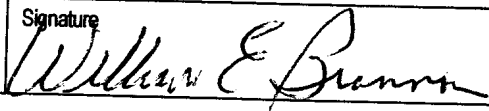
	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
PA - Producing Active						
NPA - No Potential Active						
PI - Potential Inactive	Form OGD121	CB		Map and Book		
NPI - No Potential Inactive	Well records	CB		Lease Files	CB	
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	
cc: ERG Operating Co. LLC	Annual Report	CB				
Chevron U.S.A. Inc.						

Santa Barbara County

Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county      See below		District 3 - SANTA MARIA	
Former owner      ChevronTexaco Exploration & Production Company		Opcode:	Date      September 23, 2005
Name and location of well(s)			
All Wells			
Description of the land upon which the well(s) is (are) located			
All wells			
Date of transfer, sale, assignment, conveyance, or exchange 7-11-2005	New Owner Chevron U.S.A. Inc.	Operator code C5640	Type of Organization Corp.
	Address PO Box 1392 Bakersfield, CA 93302		Telephone No. (661) 654-7065
Reported by    ChevronTexaco Exploration & Production Company			
Confirmed by    Chevron U.S.A. Inc.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks <b>THIS IS A NAME CHANGE ONLY</b> Includes abandoned wells		
Deputy Supervisor William E. Brannon		Signature 	

**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121	W	9/23/05	Map and Book	W	9/23/05
PI - Potential Inactive	Well records	W	9/23/05	Lease Files		
NPI - No Potential Inactive	New well cards			Well Stat	W	9/23/05
Ab - Abandoned or No More Wells	Bond Status	W	9/23/05	District Computer Files		
WEB:hc						
cc:      ChevronTexaco E&P Co.						
Chevron U.S.A. Inc.						

Santa Barbara County  
Cons. Committee  
Harold Bertholf

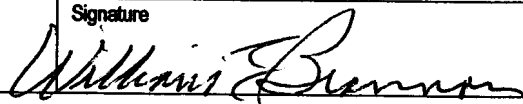
Transfer File  
HQ

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county <b>Cat Canyon</b>		District <b>3 - SANTA MARIA</b>	
Former owner <b>Texaco Exploration &amp; Production Inc.</b>		Opcode: <b>T1600</b>	Date <b>November 22, 2002</b>
Name and location of well(s)			
<u>Sec. 5, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 7, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 2, T. 9N, R. 33W, SB B&amp;M</u> *All Wells	
<u>Sec. 6, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 30, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 3, T. 9, R. 33W, SB B&amp;M</u> All Wells	
<u>Sec. 7, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 31, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 10, T. 9N, R. 33W, SB B&amp;M</u> All Wells	
<u>Sec. 16, T. 8N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 32 T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 11, T. 9N, R. 33W, SB B&amp;M</u> All Wells	
<u>Sec. 12, T. 8N, R. 33W, SB B&amp;M</u> All Wells	<u>Sec. 1, T. 8N, R. 33W, SB B&amp;M</u> All Wells	<u>Sec. 12, T. 9N, 33W, SB B&amp;M</u> All Wells	
<u>Sec. 6, T. 9N, R. 32W, SB B&amp;M</u> All Wells	<u>Sec. 1, T. 9N, R. 33W, SB B&amp;M</u> *All Wells	<u>Sec. 13 T. 9N, R. 33W, SB B&amp;M</u> All Wells	
Description of the land upon which the well(s) is (are) located			
Date of transfer, sale, assignment, conveyance, or exchange <b>08-22-02</b>	New Owner <b>ChevronTexaco Exploration &amp; Production Company</b>	Operator code <b>C5680</b>	Type of Organization <b>Corp.</b>
	Address <b>5001 California Ave. Bakersfield, CA 93309</b>		Telephone No. <b>(661) 395-6445</b>
Reported by <b>Texaco Exploration &amp; Production Inc.</b>			
Confirmed by <b>ChevronTexaco Exploration &amp; Production Co.</b>			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks		

Deputy Supervisor  
**William E. Brannon**

Signature



**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	HC	11-02	Map and Book	PHH	11-02
NPI - No Potential Inactive	Well records	DM	11-02	Lease Files		
Ab - Abandoned or No More Wells	New well cards	DM	11-02	Well Stat	HC	
WEB:hc	Bond Status			District Computer Files		
cc: Cons. Committee						
Harold Bertholf						

Texaco E & P Inc.  
ChevronTexaco E & P Co.  
OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

# REPORT OF WELL ABANDONMENT

Santa Maria, California

November 29, 1974

Mr. G. C. Padgett, Agent  
Getty Oil Company  
P. O. Box 811  
Ventura, CA 93301

DEAR SIR:

Your report of abandonment of Well No. "Los Alamos" 18 (083-00348),  
Sec. 1, T. 8N, R. 33W, S.B. B. & M., Cat Canyon field,  
Santa Barbara County, dated 10-14-74, received 10-17-74,  
has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division,  
which are based on all information filed with it, have been fulfilled.

JLZ:mjn  
cc: Conservation Committee

Map No.	Map Letter	Bend No.	Forms		
			115	114	121
					11-29-74 mjn

JOHN F. MATTHEWS, JR.  
State Oil and Gas Supervisor

By

*John F. Matthews, Jr.*  
Deputy Supervisor

RECORDS RECEIVED

Date Received 10-17-74  
 Well Summary (Form 100) \_\_\_\_\_  
 History (Form 103) X  
 Core Record (Form 101) \_\_\_\_\_  
 Elec. Log - Lge. Small  
 Direct. Survey \_\_\_\_\_  
 Sidewall Samples \_\_\_\_\_  
 Other \_\_\_\_\_

Notice of Records Due  
 Form 170 \_\_\_\_\_

Date Final Records Received \_\_\_\_\_

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓
2. Electric Log ✓
3. Operator's Name ✓
4. Signature ✓
5. Well Designation ✓
6. Location \_\_\_\_\_
7. Elevation \_\_\_\_\_
8. Notices ✓
9. "T" Reports ✓
10. Casing Record ✓
11. Plugs ✓
12. Surface Inspection ✓
13. Production \_\_\_\_\_

RECORDS NOT APPROVED

Reason: \_\_\_\_\_

RECORDS APPROVED ✓ SMRELEASE BOND Blanket

Date Eligible \_\_\_\_\_

(Use date last needed records were received.)

MAP & MAP BOOK 310

Note: well shows abd.

on map No chg. to map bk.

STATUSDATE

Producing - Oil \_\_\_\_\_  
 Idle - Oil \_\_\_\_\_  
 Abandoned - Oil \_\_\_\_\_  
 Drilling - Idle \_\_\_\_\_  
 Abandoned - Dry Hole ✓ 9-19-74  
 Producing - Gas \_\_\_\_\_  
 Idle - Gas \_\_\_\_\_  
 Abandoned - Gas \_\_\_\_\_  
 Gas - Open to Oil Zone \_\_\_\_\_  
 Water Flood Source \_\_\_\_\_  
 Water Flood \_\_\_\_\_  
 Steam Flood \_\_\_\_\_  
 Fire Flood \_\_\_\_\_  
 Air Injection \_\_\_\_\_  
 Gas Injection \_\_\_\_\_  
 CO<sub>2</sub> Injection \_\_\_\_\_  
 LPG Injection \_\_\_\_\_  
 Observation \_\_\_\_\_

RECOMPLETED \_\_\_\_\_CLERICAL CHECK LIST

1. Location change (F-165) \_\_\_\_\_
2. Elevation change (F-165) \_\_\_\_\_
3. Form 121 \_\_\_\_\_
4. Form 159 (Final Letter) 11-29-74
5. Form 150b (Release of Bond) \_\_\_\_\_

Getty Oil Company

"Los Alamos" 18

(083-00348)

Make stc. insp. before final letter.

SUBMIT IN DUPLICATE  
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

20798-705 1-74 8M © OSP

DIVISION OF OIL AND GAS  
RECEIVED

OCT 17 1974

Bath, Wash. California

### History of Oil or Gas Well

OPERATOR Getty Oil Company FIELD Cat Canyon  
Well No. Los Alamos #18, Sec. 1, T. 8 N., R. 33 W., S.B. B. & M.  
Date October 14, 19 74 Signed George C. Padgett  
P.O. Box 811, Ventura, Ca. 93001 (805) 643-2154 Title Agent  
(Address) (Telephone Number) (President, Secretary or Agent)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Map No.	Map Letter	Read No.	Forms		
			115	114	121
					10-17-74 mjr

**Date**

9-10-74 Allied Oilwell Service moved in and rigged up.

9-11-74 Ran 11" bit and found fill at 307'. Cleaned out to 320'.

9-12-74 Cleaned out to 357'. Drilling on iron. Pulled out. Ran junk basket and couldn't make hole. Pulled out. Ran in open ended and circulated hole clean. Pulled out and ran 10" impression block. Pulled out. Did not find marks. Ran 9-1/4" concave mill from 357' to 377' and pulled out. Ran 10" impression block--indicated wood in hole. Ran 11" bit and worked past junk at 359'. Reamed from 377' to 602'. Mud wt. 70#, vis. 50 secs.

9-13-74 Reamed with 11" bit from 602' to 2610'. Mud wt. 75#; vis. 65 secs.

9-14-74 Reamed 11" hole from 2610' to 4300'. Mud wt. 70#, vis. 57 secs. Pulled out and pipe stuck at 575'. Top of drill collars 388'.

9-15-74 Backscuttled and worked pipe. Knocked pipe loose. Reamed to 630'. Ran 11" roller reamer, bumper sub and jars. Hole tight 210', 331', 551', 574'. Circulated hole clean.

9-16-74 Pulled reamer. Ran in and stuck drill collars at 574'. Top of drill collars at 388'. Rotated and circulated. Pipe came loose. Pulled out. Ran 3-1/2" drill collars to 4300'. With pipe at 4300', equalized 205 cu. ft. of Class "G" cement premixed with 3% CaCl<sub>2</sub>. C.I.P. 8:30 P.M. Pulled out.

9-17-74 Ran 11" bit and bumper sub. Reamed to 859'. Pulled out for wiper run. Ran back in and hit junk at 362'. Pushed down to 369' and bit torqued up. Pulled out. Ran open ended and hit T.O.C. 3974'. Witnessed and approved by D.O.G. Pulled up to 3080'. Equalized 325 cu. ft. of Class "G" cement premixed with 3% CaCl<sub>2</sub>. Estimated T.O.C. 2650'. Pulled up to 1350' and equalized 197 sacks of Class "G" cement premixed with 2% CaCl<sub>2</sub>. C.I.P. 12:00 midnight.

9-18-74 Pulled out. Ran in open ended drill pipe and found T.O.C. 1155'. Witnessed and approved by D.O.G. Pulled up to 313'. Dropped 10 joints in hole. Attempted to screw on with no luck. Ran jars and bumper sub. Jarred on fish at 871'. Pulled out. Ran freepoint to 1097'. Backed off at 1074' and recovered 7 joints of drill pipe.

Los Alamos #18, Cat Canyon Field ✓

9-19-74 Ran open ended drill pipe to 385'. Equalized 200 cu. ft. of Class "G" and Perfa-lite (1:2 ratio) to surface. Witnessed and approved by D.O.G. and Santa Barbara County Oilwell Inspector. Moved out rig. Cut casing off and welded on a steel plate. Well abandoned.

Casing: 12-3/4" c 334' ✓  
Pf: 130'-300' (3/8" holes) ✓  
Junk: 3 jts. drill pipe. Top @ 1074'



RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

## DIVISION OF OIL AND GAS

## REPORT ON PROPOSED OPERATIONS No. P 374-410

WATER-DISPOSAL PROJECT

WEST AREA

S2 - S7 SANDS

Mr. G. C. Padgett, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93301

Santa Maria, Calif.

October 18, 1974

DEAR SIR:

(083-00348)

Your proposal to abandon Well No. "Los Alamos" 18  
Section 1, T. 8N, R. 33W, S.B.B. & M., Cat Canyon Field, Santa Barbara County,  
dated 10-15-74, received 10-17-74, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL COVERING WORKALREADY COMPLETED IN ACCORDANCE WITH PRIOR  
AGREEMENT IS APPROVED.

NOTE: Injection into this well was originally approved in report No. P374-251,  
dated June 6, 1974.

Sfc. insp. 11-27-74 ATK

1. Site graded to natural grade.
2. No seepage of oil, gas, or H<sub>2</sub>O.
3. Casing on pipe rack on location  
ok.
4. Site restored.

Blanket Bond

JLZ:mjn

cc: Department of Water Resources  
Regional Water Quality Control Board

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor

By *John F. Matthews, Jr.*, Deputy

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STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

OCT 17 1974

## Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

San Joaquin, California  
FILED AFTER THE FACT

Ventura Calif. October 15 1974

## DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. Los Alamos #18, Sec. 1, T. 8 N.,R. 33 W., S.B. B. & M., Cat Canyon Field, Santa Barbara County,commencing work on September 10, 1974.

## THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 5606'
2. Complete casing record, including plugs:
  - 12-3/4" c 334'
  - Pf: 130'-300' (3/8" holes)
  - Pg: 300'-340'

3. Last Produced Fresh Water Well  
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)THE PROPOSED WORK IS ABANDON

1. Clean out to 4300'.
2. Equalize cement plug from 4300' to 3974' w/205 cu. ft. Class "G".
3. Equalize cement plug from 3080' to 2650'± w/325 cu. ft. Class "G".
4. Equalize cement plug from 1350' to 1155' w/197 sacks Class "G".
5. Equalize cement plug from 385' to surface.
6. Cut casing off below surface and backfill cellar.

## ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:

5. Stratigraphic markers and depths:

6. Formation at bottom:

7. Base of fresh water sands:

Map No.	Map Letter	Bond No.	Forms		
			115	114	121
		<i>Blanket</i>			<i>10-17-74 mfx</i>

P. O. Box 811, Ventura, Ca. 93001

(Address)

(805) 643-2154

(Telephone No.)

Getty Oil Company

(Name of Operator)

By *George C. Padgett*  
George C. Padgett, Agent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

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RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

# DIVISION OF OIL AND GAS

## Report on Operations

No. T. 374-348

Mr. G. C. Padgett, Agent  
Getty Oil Company  
P. O. Box 811  
Ventura, CA 93301

Santa Maria, Calif.  
September 20, 1974

DEAR SIR:

Operations at well No. "Los Alamos" 18, API No. (083-00348), Sec. 1, T. 8N, R. 23W,  
S.B., B & M Cat Canyon Field, in Santa Barbara County, were witnessed  
on 9-19-74. Mr. M. Dosch, representative of the supervisor was  
present from 0430 to 0700. There were also present Carol Hillier, drilling  
foreman perf 130'-300'

Present condition of well: 12 3/4" cem. 334'; T.D. 5609'; plugged with cem. 4300-  
3800'; 3080-2650', 1350-1155' & 385-surface; Junk: 3 1/2" DP 1074-1155'.  
3974

The operations were performed for the purpose of abandonment

DECISION: THE PLUGGING/CEMENTING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

MD:mja

JOHN F. MATTHEWS, JR.  
State Oil and Gas Supervisor

By [Signature] Deputy

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## Cementing/Plugging Memo

T 374-34°

✓

Operator BETTY OIL CO  
 Well No. LOS ALAMOS 18 Sec. 1, T. 8N, R. 33W, 58 B&M  
 Field CAT CANYON, County SANTA BARBARA. On SEPT 19, 1974,  
 Mr. M. DOSCH, representative of the supervisor was present from 0430 to 0700.  
 There were also present CAROL HILLIER DRILLING FOREMAN  
 Casing record of well: 12 3/4" LEM 334' PER 130-300'  
WITH CEM. 4300-3260. 3080-2650; 1350-1155; 385-SUR.;  
JUNK: 3 1/2" DP 1074'-1155'

The operations were performed for the purpose of ABANDONMENT

☒ The (plugging/cementing) operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ \_\_\_\_\_' is approved.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_', \_\_\_\_\_" to \_\_\_\_\_' & \_\_\_\_\_" to \_\_\_\_\_'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
1.	THE HOLE WAS CLEANED OUT TO 4300'										
2.	ON SEPT 16 1974, ENGR DOSCH VISITED THE WELL; HOWEVER, THE DRIVER COULD NOT TEST THE PLUG AT 3860 BECAUSE OF JUNK IN THE HOLE.										

Casing/tubing recovered: \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_';  
 \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_'.

Junk (in hole): \_\_\_\_\_

Hole fluid (bailed to) at \_\_\_\_\_'. Witnessed by \_\_\_\_\_

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Ex. / CF	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9/16	285 CF	3 1/2 DP 4300	-	-	3260	4000 LBS	9/17 1730	3418-RT
9/16	325 CF	3 1/2 DP 3080	-	-	2650±	-	-	-
9/17	197 CF	3 1/2 DP 1350	-	-	1155	4000 LBS	9/18 0600	THOMAS
9/19	450 CF 2:1 PERCENT CEMENT	3 1/2 DP 385	0430	DOSCH	Cement returns at surface			

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P. 374-251

WATER-DISPOSAL PROJECT

WEST AREA

S<sub>2</sub> - S<sub>7</sub> SANDS

Mr. G. C. Padgett, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93301

Santa Maria, Calif.

June 6, 1974

DEAR SIR:

convert

Your proposal to to water disposal Well No. "Los Alamos" 18 (083-00348)  
Section 1, T. 8N, R. 33W, S.B.B. & M., Cat Canyon Field, Santa Barbara County,  
dated 5-30-74, received 6-3-74, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The general requirements established for the S<sub>2</sub>-S<sub>5</sub> sands in letter dated December 22, 1971 shall be made part of this report.
2. Copies of all surveys shall be filed with this Division.
3. THIS DIVISION SHALL BE NOTIFIED:
  - a. The location and hardness of the cement plug at 4100'.
  - b. All injection-profile surveys referred to in Item 4 of above letter, the first within 30 days after injection has started.

NOTES:

1. The base of freshwater is at 1250'. The freshwater will be protected by 12 3/4" casing cemented at 334' and by casing cemented through the zone of injection.
2. The water to be injected tests 5900ppm NaCl and is produced from neighboring oil wells.
3. Injection will be into the S<sub>2</sub>-S<sub>7</sub> sands. Strata in the injection interval contain saltwater.
4. Approximate surface location of well: From NW corner of Section 1, 2950'S., 830'E.

Blanket Bond

JLZ:mjn

cc: Department of Water Resources  
Regional Water Quality Control Board

9-17-74  
Bennett/Zulberti  
Feed for plug over Miocene  
Plug across S<sub>2</sub>-S<sub>5</sub> interval (no  
witnessing) at base of freshwater  
(1350-1150), across shoe of  
surf casing (700') and 50' of surf.  
Heavy mud for the rest.

JOHN F. MATTHEWS, Jr., State Oil and Gas Supervisor

By John F. Matthews, Jr., Deputy

22

# DIVISION OF OIL AND GAS

## Notice of Intention to Rework Well

DIVISION OF OIL AND GAS  
RECEIVED

JUN 3 1974

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled. Santa Maria, California

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
Blanket		6-3-74 mgm

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos #18, API No. 083-00348, Sec. 1, T. 8 N, R. 33 W, S.B. B. & M., Cat Canyon Field, Santa Barbara County. The present condition of the well is as follows:

1. Total depth. 5606'; plug 300'-340'
2. Complete casing record, including plugs and perforations:  
12-3/4" c 334'  
Perforated 130'-300' (3/8" holes)

3. Present producing zone name None Zone in which well is to be recompleted S2-7
4. Present zone pressure \_\_\_\_\_ New zone pressure \_\_\_\_\_
5. Last produced Never \_\_\_\_\_  
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)
- or
6. Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows: ABANDON MIOCENE & CONVERT S2-7 TO WASTE WATER DISPOSAL

1. Clean out to 4300'. Plug 4300-4100'. D.O.G. to witness.
2. Cement casing at 3700'.
3. Jet perforate S2-7 Zone. Install packer on 2-7/8" tubing at 2600'.
4. Survey well within 30 days after injection is started. D.O.G. to witness.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 811  
(Street)  
Ventura Calif. 93001  
(City) (State) (Zip)  
Telephone Number (805) 643-2154

GETTY OIL COMPANY  
(Name of Operator)  
By George O. Padgett 5-30-74  
(Name) (Date)  
Type of Organization Corporation  
(Corporation, Partnership, Individual, etc.)

21

## DIVISION OF OIL AND GAS

## REPORT ON PROPOSED OPERATIONS No P 371-457

WATER-DISPOSAL PROJECT  
CAT CANYON FIELD - WEST AREA  
S<sub>2</sub>-S<sub>3</sub> SANDSMr. N. Boileau, Agent  
Getty Oil Company  
P. O. Box 1206  
Santa Maria, CA 93456Santa Maria Calif.  
December 22, 1971

DEAR SIR:

Your proposal to convert to waste-water/ disposal (083-00348) Well No. "Los Alamos" 18  
Section 1, T. 2N, R. 13W, S. 3, B. & M., Cat Canyon Field, Santa Barbara County,  
dated 12-14-71, received 12-14-71, has been examined in conjunction with records filed in this office.

## DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. A monthly statement shall be filed with this Division, in duplicate, on our Form 110-B listing for each well in the project the amount of fluid injected, pressure required and course of injected water.
2. An analysis of the fluid being injected shall be submitted upon request.
3. Injection shall cease if any evidence of damage or migration of fluid behind casing is observed or upon written notice from this Division.
4. Injection-profile surveys to confirm that the injected fluid is confined to the intended zone of injection shall be run within 30 days after injection has started and at least every two years thereafter (once every year for all high-pressure or high-volume wells), after any significant anomalous rate or pressure change, or as requested by this office.
5. Significant data shall be maintained to establish that no damage is occurring because of excessive injection pressure. This information should be open to periodic inspection by personnel from this Division.
6. An accurately operating pressure-gauge or chart shall be maintained at the wellhead at all times.
7. THIS DIVISION SHALL BE NOTIFIED TO WITNESS:
  - a. The location and hardness of the cement plug at 9200'.
  - b. All injection-profile surveys referred to in Item 4 above.

## NOTES:

1. The base of fresh water is at 1250'. The fresh water will be protected by 5 1/2" casing cemented from shoe to surface.
2. The water to be injected tests 3440 Cl ppm and is produced from neighboring oil wells.
3. Injection will be into S<sub>2</sub>-S<sub>3</sub> sands. Strata in the injection interval contain salt water.
4. Approximate surface location of well: 2950'N, 830'E from NW corner Proj. Sec. 1.

Blanket bond  
JLJ:alcc: Department of Water Resources  
Regional Water Quality Control Board

JOHN F. MATTHEWS, JR.

State Oil and Gas Supervisor

By

Deputy

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION

## DIVISION OF OIL AND GAS

## Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

**This notice must be given before work begins; one copy only**

Santa Maria, Calif. December 14, 1971

## DIVISION OF OIL AND GAS

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of deepening, redrilling, plugging or altering casing at Well No. Los Alamos #18  
(Cross out unnecessary words)

\_\_\_\_\_, Sec. 1, T. 8N, R. 33W, S.B. B. & M.  
Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

1. Total depth. 5606' pg. 300' to 340'

2. Complete casing record, including plugs:

12-3/4" c 334'

Perfs: 3/8" holes 130' to 300'

DIVISION OF OIL AND GAS  
RECEIVED

DEC 14 1971

**Santa Maria, California**

3. Last produced. Suspended driller never produced

(Date)

Oil V/D)

(Water, B/D)

( Gas Mcf/D )

**The proposed work is as follows:**

1. Clean out cement plug (300' to 340') and hole to 5350'.
2. Lay cement plug from 5350' to 5200'.
3. Run and cement 5½" casing from surface to 3660'.
4. Complete as water injection well in the S2 through S5 Sisquoc Sand interval.

Map No.	Map Letter	Bond No.	Forms		
			115	116	121
				12-22-71 al	12-14-71 88

P.O. Box 1206, Santa Maria  
(Address)

WA 5-8615  
(Telephone No.)

GETTY OIL COMPANY

(Name of Operator)

By M. Bealesio  
M. Bealesio



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION

\_\_\_\_\_, Calif.  
12-8 19 71  
Operator Getty Oil Co. Well No. "Los Alamos" 18  
Field Cat Canyon Sec. 1 T. 8N R. 33W SB B. & M.  
personal  
A telephone conversation was held, concerning the above well, with Mr. Bob Bennett  
for the above operator on 12-8 19 71 at 11<sup>00</sup> A.M.

Details of the conversation were as follows:

Operator plans to re-enter this well and convert it to water injection in the  $S_2-S_5$  Sigüroc sands as follows:

1. Clean out plug from 300-340
2. Clean out to Monterey  $\approx 5260' \pm$
3. Plug Monterey 5260 - 5210  $\pm$
4. Run and cement  $5\frac{1}{2}"$  casing at 3420'  $\pm$  w/adequate cement to fill to surface.

Lorber/Zurberch 12-20-71 - The domestic water well had small volume and could not be used for steaming operations.

[SIGNED] F.O. Hallmark  
Title Engineer

Gibson-Dressler Building  
Santa Maria, California  
October 19, 1946

Mr. J. H. Spohn  
Box 217  
Goleta, California  
Agent for Pacific Western Oil Corp.

RECEIVED  
OCT 21 1946

Dear Sir:

Your report of abandonment of well No. "Los Alamos" 1A, Sec. 1, T. 8 N., R. 33 W., S. 3. E. & N., Cat Canyon oil field, Santa Barbara County, dated October 17, 1946, and submitted to this Division on our Form 104, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

Yours truly,

R. D. BUSH  
State Oil and Gas Supervisor

By   
Deputy Supervisor

SGD:OM  
CC: Mr. R. D. Bush  
Mr. W. H. Creadock

Date	Model	Cross Section	Cards	Filing	
				114	121
10-26-46	maple	150 b	✓		10-19-46

SUBMIT IN DUPLICATE  
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**  
**History of Oil or Gas Well**

DIVISION OF OIL & GAS  
**RECEIVED**  
OCT 19 1946  
SANTA MARIA, CALIFORNIA

OPERATOR Pacific Western Oil Corp. FIELD Cat Canyon

Well No. "Los Alamos" 18, Sec. 1, T. 8 N., R. 33 W., S.B. B. & M.

Signed

*[Signature]*

Date October 17, 1946

Title Assist. Gen. Supt.

(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date

**HISTORY OF ABANDONMENT**

1946

10-1

Cleaned out to 340'.

Plugged with 20 sacks cement from 340' to 300'.

10-9

Location and hardness of cement plug at 300' witnessed and approved by Division of Oil and Gas.

12-3/4" casing perforated from 130' to 300' with 3/8" shot holes, a total of 130'.

Well used for domestic water well.

**WELL ABANDONED OCTOBER 9, 1946**

Name	Model	Cross Section	Cards	Forms	
				114	121
		150 lb		10-19-46	10-19-46

*OK. final &*

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

**Special Report on Operations Witnessed**

No. T3-2589

Mr. J. H. Spohn, Santa Maria, Calif. October 9, 19 46  
Goleta, Calif.  
Agent for Pacific Western Oil Corporation

DEAR SIR:

Operations at your well No. "Los Alamos" 18 Sec. 1, T. 8 N., R. 33 W., S. E., B. & M.,  
Cat Canyon Field, in Santa Barbara County, were witnessed by  
S. G. Dolman, representative of the supervisor,  
on October 8, 19 46. There was also present J. H. Spohn, Superintendent, and  
J. Botwell, driller

Casing Record <u>12 3/4" oem. 332'.</u> Total depth:	Junk
<u>5609'; plugged with cement 300'-340'.</u>	

The operations were performed for the purpose of testing the location and hardness of a  
cement plug proposed to be placed from 350' to 380' in the process of  
abandonment.  
The inspector arrived at the well at 2:30 p.m. and Mr. Spohn reported:

1. The hole was filled with heavy mud to 340'.
2. On October 1, 1946, 20 sacks of cement was dumped at 340'.

THE DEPUTY SUPERVISOR NOTED THE FOLLOWING:

1. The bailer could not be spudded below 300' and brought up a sample of set cement.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 300' ARE APPROVED.

CC - Mr. W. N. Craddock

Make	Model	Cross Section	Name	Forms
59352 6-46 5M				1145 121
STATE PRINTING OFFICE				10-9-46

R. D. BUSH

State Oil and Gas Supervisor

By

Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

**Report on Proposed Operations**

No. P3-4024

Santa Maria, Calif. October 2, 1946

Mr. J. H. Spohn,

Goleta, Calif.

Agent for Pacific Western Oil Corporation

DEAR SIR:

Your proposal to abandon Well No. "Los Alamos" 18,  
Section 1, T. 8N., R. 33W., S. B. B. & M., Cat Canyon Field, Santa Barbara County,  
dated Aug. 28, 1946, received Aug. 29, 1946, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

Records in addition to, or at variance with those shown in the notice:  
12 3/4" casing cem. 332'.  
Total depth 5609'; filled with heavy mud and cavings to 350'.

**THE NOTICE STATES:**

"The present condition of the well is as follows:

1. Complete casing record.  
Complete well records previously filed with log and history.
2. Last produced. None  
Date Net oil Gravity Cut"

**PROPOSAL:**

"The proposed work is as follows:  
Clean out to 350'.  
Plug with cement 350' - 320'.  
Use hole above 320' for domestic water well."

**DECISION:**

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. THIS DIVISION SHALL BE NOTIFIED TO WITNESS:  
The location and hardness of cement plug at 320'.

Bond No. 4543762.

CC - Mr. W. N. Craddock  
- Mr. F. H. Johnson

R. D. BUSH

State Oil and Gas Supervisor

By [Signature] Deputy

14

Map	Model	Cross Section	Cards	Pages
				115 721
				10-2-46 10-2-46

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

**DIVISION OF OIL AND GAS**

**Notice of Intention to Abandon Well**

This notice must be given at least five days before work is to begin

DIVISION OF OIL AND GAS

Los Angeles, Calif. August 28, 1946

DIVISION OF OIL & GAS  
RECEIVED

AUG 29 1946

SANTA MARIA, CALIFORNIA

In compliance with Secs. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given

that it is our intention to abandon well No. "LOS ALAMOS" #18

Sec. 1, T. 8 N., R. 33 W., S.B. B. & M. Cat Canyon Field,

Santa Barbara County, commencing work on the 3rd day

of September, 19 46

The present condition of the well is as follows:

1. Complete casing record.

Complete well records previously filed with log and history.

2. Last produced. None

Date

Net oil

Gravity

Cut

The proposed work is as follows:

Clean out to 350'.

Plug with cement 350' - 320'.

Use hole above 320' for domestic water well.

*Held for log & hist.*

Maps	Model	Cross Section	Cards	Form	
				114	121
				10-1-46	10-1-46

PACIFIC WESTERN OIL CORPORATION

(Name of Operator)

By W. N. Craddock  
W. N. Craddock

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

13

13

# Pacific Western Oil Corporation

ADDRESS ALL CORRESPONDENCE  
DIRECT TO THE COMPANY

SUBWAY TERMINAL BUILDING  
417 SOUTH HILL STREET

Los Angeles.

September 8, 1942

DIVISION OF OIL & GAS  
RECEIVED

SEP - 9 1942

SANTA MARIA, CALIFORNIA

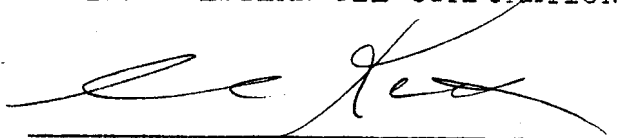
Mr. G. S. Dolman  
Deputy State Oil and Gas Supervisor  
Santa Maria, California

Dear Mr. Dolman:

Confirming recent conversation with Mr. Craddock regarding suspending operations on Pacific Western Oil Corporation's well Los Alamos No. 18, Section 1, Township 8 North, Range 33 West, S. B. B. & M., Cat Canyon Field, Santa Barbara County, it is agreed that Pacific Western Oil Corporation will, upon your request, place a cement plug opposite the upper sands correlative with the producing horizon in the adjoining wells.

Very truly yours,

PACIFIC WESTERN OIL CORPORATION

  
Vice President

12 3/4" casing cemented at 334' with 300 sax. Suspended  
8-21-42 at 5609' total depth.

*Alamos 18*

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

DIVISION OF OIL & GAS  
RECEIVED  
SEP 26 1946  
SANTA MARIA, CALIFORNIA

Operator Pacific Western Oil Corp. Field Oat Canyon

Well No. "Los Alamos" No. 18 Sec. 1, T. S. N., R. 33 W., S. B. B. & M.

Location 8250' Sly and 330' Ely from NW Elevation of derrick floor 819' above sea level  
Cor. Los Alamos Ranch

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date Sept. 1, 1946

Signed [Signature]

(Engineer or Geologist)

(Superintendent)

Title Assist. Gen. Supt.  
(President, Secretary or Agent)

Commenced drilling 6-30-42 Completed drilling 8-20-42 Drilling tools 4 1/2" Rotary

Total depth 5609' Plugged depth (Suspended)  
GEOLOGICAL MARKERS DEPTH

Junk Top of Miocene 5550'

Commenced producing \_\_\_\_\_ Flowing/gas lift/pumping  
(date) (cross out unnecessary words)

Initial production

Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cement if through perforations
<u>12-3/4"</u>	<u>332"</u>						<u>17 1/2"</u>	<u>300</u>	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

MAPE	Model	Cross Section	Cards	PROFITS
				114 221
				10-1 1/2 10-1 1/2

Electrical Log Depths 332 - 5441 (Attach Copy of Log)



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

DIVISION OF OIL & GAS  
RECEIVED  
SEP 26 1946  
SANTA MARIA, CALIFORNIA

Operator Pacific Western Oil Corporation Field Cat Canyon

Well No. "Los Alamos" No. 18 Sec. 1, T. 8 N., R. 33 W., S. B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0	315		Drilled		Sand and shale
315	332		"		Shale
332	1255		"		Sand and shale
1255	2574		"		Shale
2574	2693		"		Shale and sand
2693	2816		"		Shale
2816	2902		"		Sand and shale
2902	3133		"		Shale
3133	3188		"		Shale with sandy streaks
3188	3657		"		Shale
3657	3688		"		Shale and sand
3688	4876		"		Shale
4876	4884		Cored	6'	Hard gray siltstone, 45° dips.
4884	4894		"	10'	Hard gray siltstone, 45° dips.
4894	4904		"	3'	Hard gray siltstone, 45° dips.
4904	5148		Drilled		Hard shale
5148	5152		Cored	4'	Hard siltstone (Macready oriented core)
5152	5295		Drilled		Hard shale
5295	5305		Cored	0'6"	Hard dark gray-brown clay shale
5305	5312		"	0'6"	Hard dark gray-brown clay shale
5312	5319		"	1'	Hard dark gray-brown clay shale
5319	5442		Drilled		Hard shale
5442	5451		Cored	7'	Hard dark gray-brown clay shale
5451	5601		Drilled		Hard shale
5601	5609		Cored	3'	Hard massive brown shale - pieces of chert in upper 1' of core
NOTE: SIDEWALL SAMPLES TAKEN BY SCHLUMBERGER AT THE FOLLOWING DEPTHS:					
				2835	Very fine soft silty gray sand - no oil.
				3010	Very fine soft silty gray sand - no oil.
				3240	Very fine soft silty gray sand - no oil.
NOTE: UNION OIL CO. PICKS TOP OF MIOCENE AT 5550'.					

SUBMIT IN DUPLICATE  
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

## History of Oil or Gas Well

DIVISION OF OIL & GAS  
RECEIVED  
SEP 26 1946  
SANTA MARIA, CALIFORNIAOPERATOR Pacific Western Oil Corp. FIELD Cat CanyonWell No. Los Alamos No. 18, Sec. 1, T. 8 N., R. 33 W., S.B.B. & M.Signed [Signature]Date September 1, 1946Title Assist. Gen. Supt.  
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date

1942

6-30 Spudded 17 $\frac{1}{2}$ " rotary hole and drilled to 335', mudding test O.K.  
7-1 Cemented 12-3/4" at 334' with 300 sacks construction cement.  
7-3 Drilled out plug with 11-3/4" bit. Drilling ahead with 11-3/4" hole.  
7-31 Drilled and cored 11-3/4" hole at 4904'.  
8-10 Drilled and cored 11" hole to 5353'.  
8-13 Ran Lane Wells Electrolog to 5441'. Drilled and cored 8 $\frac{1}{2}$ " hole to 5451'.  
8-21 Drilled and cored 7-5/8" hole to 5609'.

SUSPENDED DRILLING OPERATIONS

MADE	Model	Cross Section	Card	DATE
				11-1-46
				10-1-46

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P2-3807

Santa Barbara,

Calif. July 18,

19 42

Mr. Allen A. Anderson

Goleta, Cal.

Agent for Pacific Western Oil Corp.

DEAR SIR:

Your supplementary proposal to drill Well No. "Los Alamos" 18,  
Section 1, T. 2N., R. 35E., Santa B. & M., Get Canyon Field, Santa Barbara County,  
dated July 14, 1942, received July 16, 1942, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

**RECORDS:** The condition of the well is as stated in the notice.

**THE NOTICE STATES:**

"The new conditions are as follows:

Drilling at 3800'.

18-5/8" Casing at 384'."

**PROPOSAL:**

"The new proposal:

Install combination string 8-5/8" casing at approximately 3800' and cement same  
through perforations at approximately 3800'."

**DECISION:**

**THE PROPOSAL IS APPROVED PROVIDED THAT:**

1. Mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.
2. Adequate blow-out prevention equipment shall be provided and ready for operation at all times.
3. The formations to be left back of the 8-5/8" casing shall be sealed in a satisfactory manner.
4. A 18" plug of cement shall be left in the 8-5/8" casing above the cement tops. Before the cement plug is drilled out, the casing shall be gun-perforated 4000' - 4005' with four 45-caliber holes at right angles and a test of shut-off made.
5. **THIS DIVISION SHALL BE NOTIFIED TO WITNESS:**  
A test of the 8-5/8" shut-off.

Bond No. 4545752

Maps	Model	Cross Section	Cards	Forms	
				116	121
				<i>7/14/42</i> H	<i>7/14/42</i> H

R. D. BUSH

State Oil and Gas Supervisor

By

Deputy

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STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS

RECEIVED

JUL 16 1942

SANTA BARBARA, CALIFORNIA

Supplementary Notice

Los Angeles, Calif. July 14, 1942.

DIVISION OF OIL AND GAS

Santa Barbara, Calif.

Our notice to you dated April 14, 1942, stating our intention to

well No. 18

(Drill, ~~abandon~~, or redrill and abandon)

Sec. 1, T. 8 N., R. 33 W., S.B. B. & M. Cat Canyon Field,

Santa Barbara

County, must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:

Drilling at 3590'.

12-3/4" Cem. at 334'.

We now propose

Land combination string 8-5/8" casing at approximately 5500' and cement same through perforations at approximately 5000'.

PACIFIC WESTERN OIL CORPORATION

(Name of Operator)

By

Vice President

Spudded 5/30/42  
Mud Test 5/30/42  
Cemented 7/1/42

# COUNTY OF SANTA BARBARA

STATE OF CALIFORNIA

## Special Report on Oil Operations Witnessed

### SURFACE CEMENTING

No. **325**

**Santa Maria**

Calif. **July 3** 19**42**

Mr. **A. C. Bush**

**Goleta**, California

Agent for **Pacific Western Oil Corporation**

Dear Sir:

**LOS ALAMOS**

Operations at your well No. **18** Sec. **1**, T. **8 N**, R. **35 W**, S. B. B. & M.

**Cat Canyon** Field, in **Santa Barbara** County, were witnessed by

**C. E. Winter**, representative of the County,

on **July 1**, 19**42**. There was also present **D. M. Evans**, General Superintendent for Pacific Western & **A. Anderson**, Production Foreman for Pacific Western

Casing Record **Set and cemented 535' of 18-3/4" OD 41.51 lb. casing**

The operations were performed for the purpose of **setting and cementing surface casing.**

and the data and conclusions are as follows:

1. **2:45 a.m. to 3:05 a.m. casing was run, entered freely.**
2. **3:55 a.m. to 4:08 a.m. mud was circulated.**
3. **4:09 a.m. to 4:20 a.m. 200 sack of construction cement were pumped into casing by Halliburton Cementing Co.**
4. **4:25 a.m. to 4:51 a.m. cement was displaced with 271 cu. ft. of mud fluid. Return of cement was accomplished almost on exact displacement. A 5' spacer was used.**

**Oral approval of cementing is hereby confirmed.**

DIVISION OF OIL AND GAS

RECEIVED

JUL 8 - 1942

SANTA BARBARA, CALIF.

SANTA BARBARA COUNTY PLANNING COMMISSION

WALLACE C. PENFIELD, Secretary,

By **Cellinta** Inspector.

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Spudded 6/30/42  
Mud Test 6/30/42  
Cemented 7/1/42

# COUNTY OF SANTA BARBARA

STATE OF CALIFORNIA

## Special Report on Oil Operations Witnessed

### MUD TEST

No. **525**

**Santa Maria**

Calif. **July 3**

19 **42**

Mr. **A. C. Bush**

**Colata**

, California

Agent for **Pacific Western Oil Corporation**

Dear Sir:

**LOS ALAMOS**

Operations at your well No. **Well No. 18** Sec. **1**, T. **3 N**, R. **35 W**, S. **1/4** B. & M.

**Cat Canyon**

Field, in **Santa Barbara**

County, were witnessed by

**G. E. Winter**

, representative of the County,

on **June 30**, 19 **42**. There was also present **E. R. Morris, Drilling Superintendent**

Casing Record **None set prior to mud test.**

The operations were performed for the purpose of **demonstrating that the formation was satisfactorily mudded from 0' to 535'.**

and the data and conclusions are as follows:

Mr. Morris reported a 17 1/2" rotary hole drilled to 535' below the derrick floor. He also reported blue shale from 515' to 535' which was indicated by the screenings.

The Inspector noted:

1. Mud weight was 85 lbs. per cu. ft.
2. A 30 minute test ending at 11:52 p.m. showed mud loss to be 2 bbls. per hour; casing entered freely.

Oral approval given to set and cement 535' of 12-3/4" OD 41.51 lb. casing is hereby confirmed.

DIVISION OF OIL AND GAS

RECEIVED

JUL 8 - 1942

SANTA BARBARA, CALIFORNIA

SANTA BARBARA COUNTY PLANNING COMMISSION

WALLACE C. PENFIELD, Secretary,

By

*E. Winter*

Inspector.

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CULBERT L. OLSON  
GOVERNOR



R. D. BUSH  
STATE OIL AND GAS SUPERVISOR

KENNETH I. FULTON  
DIRECTOR OF NATURAL RESOURCES

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**  
FERRY BUILDING, SAN FRANCISCO

May 1, 1942.

DIVISION OF OIL AND GAS  
**RECEIVED**  
MAY - 2 1942  
SANTA BARBARA, CALIFORNIA

Pacific Western Oil Corp.,  
417 South Hill St.,  
Los Angeles, Calif.

Attention:  
Mr. Emil Kluth,  
Vice President.

Gentlemen:

Your request relative to change in designation of one of your wells in Santa Barbara County, District No. 3, has been referred to me by Deputy Supervisor S. G. Dolman with the recommendation that the designation be changed as you desire.

In accordance with Section 3203, Chapter 95, Statutes of 1930, reading in part as follows:

"the number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

On Sec. 1, T. 8 N., R. 33 W., S. B. B. & M.

Well No. 18 will hereafter be known as well No. "Los Angeles" 18.

Yours truly,

State Oil and Gas Supervisor.

SEARCHED	INDEXED	SERIALIZED	FILED	CC	RECORDED	G	Dolman
5-2-42					114	121	

411 Benjamin Franklin Building  
Santa Barbara, California  
April 29, 1942

Mr. R. D. Bush,  
State Oil and Gas Supervisor,  
Ferry Building,  
San Francisco, California.

Dear Sir:

I received a copy of a letter addressed to you, dated April 27, 1942, from Emil Kluth, Vice President, Pacific Western Oil Corporation, in which he requests that the designation of its well No. 18 Sec. 1, T. 8 N., R. 33 W., S. B. B. & M., Cat Canyon field, be changed to "Los Alamos" 18. I recommend that the request be granted.

Yours truly,



Deputy Supervisor.

SGD:OM



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 3-3543

Santa Barbara, Calif. April 14, 1942

Mr. A. C. Bush,  
Santa Barbara, Calif.

Agent for Pacific Western Oil Corporation

"Los Alamos"

DEAR SIR:

Your proposal to drill Well No. 10,  
Section 1, T. 3 N., R. 23 W., S. 2, B. & M., Cat Canyon Field, Santa Barbara County,  
dated Apr. 14, 1942, received Apr. 15, 1942, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The elevation of the ground above sea level is 860 feet.  
The well is 350 feet easterly from West property boundary and 2250 feet  
southerly from N. E. corner of property.  
Lease consists of approximately 4,000 acres  
We estimate that the first productive oil or gas sand should be encountered  
at a depth of about 2,000 feet.  
Well is to be drilled with rotary tools."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or land-  
ing them as herein indicated:

Size of Casing, In.	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
15-5/8	44 1/2	Slip Joint		Cemented in shale below surface ground.
8-5/8	24 1/2	8-45	2000'	Cemented.
6-5/8	24 1/2 Liner	8-45	2500'	Landed.

It is understood that if changes in this plan become necessary we are to notify  
you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.
2. Adequate blow-out prevention equipment shall be provided and ready for operation at all times.
3. THIS DIVISION SHALL BE NOTIFIED TO WITNESS:  
A test of the 8-5/8" shut-off.

CC - W. N. Craddock  
- W. C. Penfield  
- Harry Noel

R. D. BUSH

State Oil and Gas Supervisor

By

Maps	Model	Other Section	Cards	Pages
15-5/8		15090	116	321
4-8-42			116-42	116-42

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

083-00348

DIVISION OF OIL AND GAS

Los Angeles, Calif. April 14, 1942

DIVISION OF OIL AND GAS

RECEIVED

APR 16 1942

SANTA BARBARA, Calif.

SANTA BARBARA, CALIFORNIA

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. 118, Sec. 1, T. 8 N., R. 33 W., S.B. B. & M., Cat Canyon Field, Santa Barbara County.

Lease consists of Approximately 4,000 acres

The well is (X) feet N. or S., and        feet E. or W. from         
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 850 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 5,000 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
13-3/8	48#	Slip Joint		Cemented in shale below surface gravel
8-5/8	36#	C-45	5000'	Cemented.
6-5/8	26#	Liner C-45	5500'	Landed.

Well is to be drilled with rotary tools.  
cable

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 1060 Subway Terminal Bldg.

PACIFIC WESTERN OIL CORPORATION

(Name of Operator)

Telephone number MUTual 3271

By [Signature]  
Vice President

Location:

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

330' Easterly from West property boundary and 8250' southerly from N. W. corner of property.

Map	Model	Grade	Card	Notes
				114 121
				16-42 16-42